

Chlorine Valves

DJK - Energy Houston Inc

VALVES & PIPES > ACIDS, CHLORINE, CHEMICALS & STEAM

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*Created for those
in search of perfection...!*



- Eliminates product losses
- Reducing hazard to humans
- Environmentally Safe
- Prevents costly downtime

In compliance with

- Euro Chlor GEST 06/318
- The Chlorine Institute Pamphlet 6



Euro Chlor Approval Certificate no. 17 / 01

For Enquiry:

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Plants

Methanes / VCM / EDC / ECH / Pesticides / Insecticides
HFC / Halogenated Plants / Chloro Alkali
TDI / MDI / Isocyanates etc

Applications

Liquid Chlorine, Dry Gas Chlorine, HCL, Fluorine
Pyrophoric Media, Hydrogen Fluoride, Phosgene,
Nitrogen Trifluoride, Cat M Fluids as per ASME B 31.3

Optionals

- Electric and Pneumatic valves actuated according to GEST
- Complete valve in Hastelloy C / CY40 / 904L / 317LMN

Other MOC available on request

Temperature Range

Standard	Unit	Temperature Low Carbon Steel
Euro Chlor GEST 06/318	°C	-40 to 120
	°F	-40 to 248

Approvals

- Approved by Euro Chlor GEST 06/318 certificate no. 17/01
- In compliance to The Chlorine Institute Pamphlet 6
- Fugitive Emission Type Tested as per ISO 15848 Part 1
- Quality Management System as per ISO 9001-2015
- Design / Manufacturing process approved by TUV-Germany for Chlorine Valves
- Established welding practices and Approved WPS / WPQR / WQ to meet stringent requirements for chlorine applications
- Control of documents as per PED 2014 / 68 / EU

Pressure Rating

Class 300 and PN 40.

Lower and Higher class rating available on request

Size Range

DN 25, 40, 50, 80, 100, 150

NB 1", 1 1/2", 2", 3", 4", 6"

Higher sizes are available on request

End Connections

Flanged Ends to ASME B16.5 / EN 1092-1 & PN 40

Documentation

Certification as per EN10204 Type 3.1 for Body / Bonnet, internals and Impact Test Certification

Materials of Construction

- Low Temperature Carbon Steel ASTM A 352 Gr LCB / LCC with a carbon content of 0.25% or less, Carbon Equivalent of 0.43% on heat analysis and 0.45% on product analysis which minimises the risk of hydrogen cracking during welding
- Impact requirements for Low Carbon Steel meets 27J as per recommendations of Euro Chlor
- Studs / bolts and nuts are of ASTM A 320 Gr L7 or L7M to meet Impact testing requirements at -40°C
- Multiply bellow in Hastelloy C276
- Conical plug in LF2+Stellite / Monel / Hastelloy C276
- Stem in Stainless Steel / Monel / Hastelloy C276
- Follow guidelines for MOC for contact parts with chlorine as per GEST 79/82 11th Edition

Other MOC are available on request

Product Features

- Protected bellows design from hazardous and corrosive media to extend bellow life
- Zero leakage through stem and seats as fitted with metallic bellow
- High stem finish to surface finish 0.4µ Ra
- Stem sealing by multiply bellow in Hastelloy C276
- Stem out of roundness of less than 0.01mm
- Secondary safety gland packing of PTFE
- T&G body-bonnet joint ensures joint integrity and no leakage at the body-bonnet joint
- Position indicator and anti torque device
- Thrust bearings for easy operation
- Handwheel diameters meet the recommendations as per Euro Chlor
- Bellow guaranteed for high cyclic life
- Stem with back seat arrangement to prevent over compression of bellows and provided anti-blowout design
- The body / bonnet meet the radiographic quality as per Level II and provides the highest repeatable casting quality across changes in cross sections
- Clean room standards followed for assembly

Final Check

- Oven drying of valves before despatch to a minimum of 120 deg celcius
- Drying agents such as Silica Gels used into the valve
- Blanking of end flanges to prevent moisture entry
- All valves are lubricated with chlorofluorinated grease
- Fugitive Emission production test as per ISO 15848 Part 2